**Materials for worksheets or assessments:**

**SI Units of Measurement**

**Fill in the gaps in this Table using a pencil.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Scientific Instrument** | **Quantity Measured** | **Unit Measured in ( word )** | **Symbol for Unit** |
| Measuring Cylinder |  |  |  |
| Ruler |  |  |  |
| Thermometer |  |  |  |
| Stop watch |  |  |  |
| Electronic Balance |  |  |  |

**Definitions Practice**

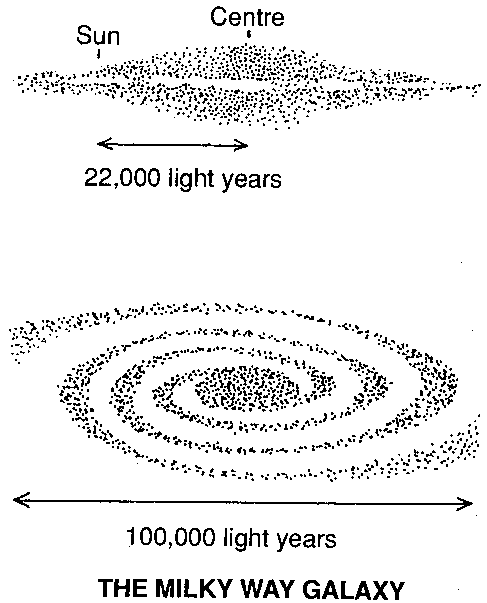
In the space beside each of the words in the following list, select a definition from the list below and write it out.

|  |  |
| --- | --- |
| matter |  |
| Aim |  |
| Mass |  |
| data |  |
| Method |  |
| second |  |
| Results Table |  |
| S I Units of measurement |  |
| Variables-Changed, Measured and Controlled |  |
| volume |  |
| Temperature |  |
| degrees Celcius |  |
| Conclusion |  |
| electronic balance |  |
| kilogram ( kg ) |  |

###### Definitions List

|  |
| --- |
| (a) SI Unit for mass |
| (b) Sentence saying what an experiment will try to investigate |
| (c) facts or numbers that are collected during an experiment |
| (d) An electronic device used to weigh a mass accurately |
| (e) A measurement of the space an object takes up. |
| (f) The unit temperature is measured in |
| (g) The amount of matter inside an object. Measured in kilograms. |
| (h) what substances and objects are made of |
| (i) A systematic and labelled record of the data collected from an experiment. |
| (j) A complete step by step record of how an experiment was done. |
| (k) How hot or cold an object is. Measured in degrees Celcius. |
| (l) A list of things that if they changed would effect the results of an experiment |
| (m) The SI Unit for time measurement. |
| (n) The Internationally recognised System of metric measurements |
| (o) A statement that is linked to the Aim and explains the results of an experiment |

**The Vastness of Space**- (Just how big is vast?) continued……………..



(Now for some really big numbers.) **How many seconds in a year?**

4. How many seconds in a minute?\_\_\_\_\_\_\_\_ s

(There are \_\_\_\_ minutes in an hour)

5. How many seconds in an hour?\_\_\_\_\_\_\_\_\_\_\_\_ s

(There are \_\_\_\_ hours in a day)

6. How many seconds in a day?\_\_\_\_\_\_\_\_\_\_\_\_\_ s

(There are \_\_\_\_ days in a year)

7. How many seconds in a year?\_\_\_\_\_\_\_\_\_\_\_\_\_s

8. Light travels at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ km/s.

9. How long is 1 Light year?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_km.

10. How many seconds in 4.5 years? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ s

